

# ABSTRACT

A local multipoint distribution service system having an antenna (1) for transmitting a signal of reused frequency within a specified range from the antenna (1), the antenna (1) having multiple radiating antenna elements, each of the antenna elements being adjusted in phase and in amplitude of radiated signal across the radiating elements to mitigate radiation above the horizon, and each of the antenna elements being adjusted in phase and in amplitude of radiated signal therefrom to decrease attenuation in radiated power with distance from the antenna (1).